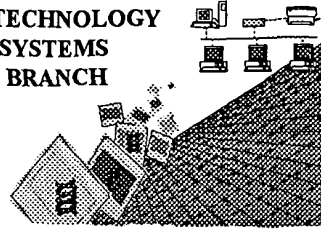


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0590  
0103

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/928,213  
Source: Q1PE  
Date Processed by STIC: 1/14/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
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TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual: ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
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2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



OIPE

## RAW SEQUENCE LISTING

DATE: 01/14/2003

PATENT APPLICATION: US/09/928,213

TIME: 13:27:28

Input Set : A:\GA0197C.txt

Output Set: N:\CRF4\01142003\I928213.raw

3 <110> APPLICANT: Genzyme Corporation  
 4 Srinivas, Shankara  
 5 Charles, Nicolette  
 7 <120> TITLE OF INVENTION: ANTIGENIC PEPTIDE CONCATOMERS  
 9 <130> FILE REFERENCE: GA0197C  
 11 <140> CURRENT APPLICATION NUMBER: US 09/928,213  
 12 <141> CURRENT FILING DATE: 2001-08-10  
 14 <150> PRIOR APPLICATION NUMBER: PCT/US00/03655  
 15 <151> PRIOR FILING DATE: 2000-02-10  
 17 <150> PRIOR APPLICATION NUMBER: 60/120,002  
 18 <151> PRIOR FILING DATE: 1999-02-11  
 20 <150> PRIOR APPLICATION NUMBER: 60/161,845  
 21 <151> PRIOR FILING DATE: 1999-10-27  
 23 <160> NUMBER OF SEQ ID NOS: 32  
 25 <170> SOFTWARE: PatentIn version 3.1  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 18  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: AChR epitope  
 35 <400> SEQUENCE: 1  
 37 Tyr Asn Leu Lys Trp Asn Tyr Asn Leu Lys Trp Asn Tyr Asn Leu Lys  
 38 1 5 10 15  
 41 Trp Asn  
 45 <210> SEQ ID NO: 2  
 46 <211> LENGTH: 18  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Artificial Sequence  
 50 <220> FEATURE:  
 51 <223> OTHER INFORMATION: AChR epitope  
 53 <400> SEQUENCE: 2  
 55 Pro Asp Asp Tyr Gly Gly Pro Asp Asp Tyr Gly Gly Pro Asp Asp Tyr  
 56 1 5 10 15  
 59 Gly Gly  
 63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 18  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: Artificial Sequence  
 68 <220> FEATURE:  
 69 <223> OTHER INFORMATION: AChR epitope  
 71 <400> SEQUENCE: 3  
 73 Val Lys Lys Ile His Ile Val Lys Lys Ile His Ile Val Lys Lys Ile

Does Not Comply  
Corrected Diskette Needed

pp 4-6

## RAW SEQUENCE LISTING

DATE: 01/14/2003

PATENT APPLICATION: US/09/928,213

TIME: 13:27:28

Input Set : A:\GA0197C.txt

Output Set: N:\CRF4\01142003\I928213.raw

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74 1                5                10                15
77 His Ile
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83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
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87 <223> OTHER INFORMATION: AChR epitope
89 <400> SEQUENCE: 4
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92 1                5                10                15
95 Asp Asp Tyr
99 <210> SEQ ID NO: 5
100 <211> LENGTH: 18
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: AChR epitope
107 <400> SEQUENCE: 5
109 Tyr Gly Gly Val Lys Lys Tyr Gly Gly Val Lys Lys Tyr Gly Gly Val
110 1                5                10                15
113 Lys Lys
117 <210> SEQ ID NO: 6
118 <211> LENGTH: 20
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: AChR epitope
125 <400> SEQUENCE: 6
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128 1                5                10                15
131 Gly Gly Val Lys
132                20
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137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
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141 <223> OTHER INFORMATION: gp100-209 epitope concatomer
143 <400> SEQUENCE: 7
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148 <211> LENGTH: 28
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: gp100-209 epitope concatomer
155 <400> SEQUENCE: 8
156 tggtcagtaa tcacggagaa aggtacct

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27

28

## RAW SEQUENCE LISTING

DATE: 01/14/2003

PATENT APPLICATION: US/09/928,213

TIME: 13:27:28

Input Set : A:\GA0197C.txt

Output Set: N:\CRF4\01142003\I928213.raw

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162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
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167 <400> SEQUENCE: 9
168 ggccgatatc atgattactg accaggtacc 30
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173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: gp100-209 epitope concatomer
179 <400> SEQUENCE: 10
180 ggccactagt gatcacggag aaaggtacct 30
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 27
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: gp100-209 epitope concatomer
191 <400> SEQUENCE: 11
192 attactgacc aggtaccttt ctccgtg 27
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 27
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: gp100-209 epitope concatomer
203 <400> SEQUENCE: 12
204 cacggagaaa ggtacctggt cagtaat 27
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208 <211> LENGTH: 107
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: gp209 epitope construct
215 <400> SEQUENCE: 13
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218 tgctggtatt ggtatttta ctgtggccgc ggcttaatta atttaac 107
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222 <211> LENGTH: 113
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: alpha-globin stability element
229 <400> SEQUENCE: 14
230 taagctggag cctcggtagc cgttcctcct gcccgctggg cctcccaacg ggccctcctc 60

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/928,213

DATE: 01/14/2003

TIME: 13:27:28

Input Set : A:\GA0197C.txt

Output Set: N:\CRF4\01142003\I928213.raw

232 ccctccttgc accggccttc ctggtctttg aataaagtct gagtgggcgg cct 113  
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236 <211> LENGTH: 400  
237 <212> TYPE: DNA  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: 9 copy recombinant concatomer  
243 <220> FEATURE:  
244 <221> NAME/KEY: misc\_feature  
245 <222> LOCATION: (45)..(45)  
246 <223> OTHER INFORMATION: n is any nucleic acid  
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250 <221> NAME/KEY: misc\_feature  
251 <222> LOCATION: (61)..(61)  
252 <223> OTHER INFORMATION: n is any nucleic acid  
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258 <223> OTHER INFORMATION: n is any nucleic acid  
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264 <223> OTHER INFORMATION: n is any nucleic acid  
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268 <221> NAME/KEY: misc\_feature  
269 <222> LOCATION: (99)..(99)  
270 <223> OTHER INFORMATION: n is any nucleic acid  
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274 <221> NAME/KEY: misc\_feature  
275 <222> LOCATION: (115)..(115)  
276 <223> OTHER INFORMATION: n is any nucleic acid  
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280 <221> NAME/KEY: misc\_feature  
281 <222> LOCATION: (126)..(126)  
282 <223> OTHER INFORMATION: n is any nucleic acid  
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286 <221> NAME/KEY: misc\_feature  
287 <222> LOCATION: (132)..(132)  
288 <223> OTHER INFORMATION: n is any nucleic acid  
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299 <222> LOCATION: (153)..(153)  
300 <223> OTHER INFORMATION: n is any nucleic acid  
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304 <221> NAME/KEY: misc\_feature

see p.5 "c" is at location  
132

## RAW SEQUENCE LISTING

DATE: 01/14/2003

PATENT APPLICATION: US/09/928,213

TIME: 13:27:28

Input Set : A:\GA0197C.txt

Output Set: N:\CRF4\01142003\I928213.raw

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306 <223> OTHER INFORMATION: n is any nucleic acid
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311 <222> LOCATION: (180)..(180)
312 <223> OTHER INFORMATION: n is any nucleic acid
315 <220> FEATURE:
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317 <222> LOCATION: (196)..(196)
318 <223> OTHER INFORMATION: n is any nucleic acid
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324 <223> OTHER INFORMATION: n is any nucleic acid
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329 <222> LOCATION: (223)..(223)
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336 <223> OTHER INFORMATION: n is any nucleic acid
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342 <223> OTHER INFORMATION: n is any nucleic acid
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W--> 346 atgattactg accagggtacc tttctccgtg attactgacc aggtnccttt ctccgtgatt      60
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W--> 350 caggtncttt tctccgtgat tncctgaccag gtncctttct ccgtgattnc tgaccaggtn      180
W--> 352 cctttctccg tgattnctga ccaggtnoct ttctccgtga ttncctgacca ggtncctttc      240
354 tccgtgtaaa cttagaggcc ctattctata gtgtcaccta aatgctagag ctgcgtgatc      300
356 agcctcgact gtgccttcta gttgccagcc atctgttggt tgccctcccc ccgtgccttc      360
W--> 358 cttgaccctg gaagggtgcn ctcccactgt cctttcctaa      400
361 <210> SEQ ID NO: 16
362 <211> LENGTH: 30
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: 9 copy recombinant concatomer
369 <400> SEQUENCE: 16
370 atgattactg accagggtacc tttctccgtg      30
373 <210> SEQ ID NO: 17
374 <211> LENGTH: 27
375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial Sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: jmpl str
381 <400> SEQUENCE: 17

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/928,213

DATE: 01/14/2003  
TIME: 13:27:29

Input Set : A:\GA0197C.txt  
Output Set: N:\CRF4\01142003\I928213.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; N Pos. 45, 61, 72, 88, 99, 115, 126, 142, 153, 169, 180, 196, 207, 223, 234, 380  
Seq#:18; N Pos. 15  
Seq#:20; N Pos. 4, 15  
Seq#:22; N Pos. 4, 15  
Seq#:24; N Pos. 4, 15  
Seq#:26; N Pos. 4, 15  
Seq#:28; N Pos. 4, 15  
Seq#:30; N Pos. 4, 15  
Seq#:32; N Pos. 4, 15